

CLAIMS

Claim 1 (Currently Amended): A cutter head disk for a meat cutter, on which at least one knife is mounted comprising at least one knife that cuts meat, the at least one knife having at least one recess, a metallic core for accommodating a drive shaft, wherein the metallic core is surrounded with a plastic envelope, the metallic core having at least one recess aligned with at least one recess of the at least one knife that cuts meat; a plastic envelope that surrounds the metallic core so that the metallic core is connected in a frictional manner, an interlocking manner, or a combination of both with the plastic envelope; and at least one eccentric retaining bolt that inserts into the at least one recess of each of the at least one knife and the metallic core to mount the at least one knife to the metallic core, wherein positioning of the eccentric retaining bolt between at least two rotational positions adjusts the position of the knife in at least two different radial positions on the cutter head disk.

Claim 2 (Currently Amended): The cutter head disk of claim 1, wherein the metallic core has a plurality of recesses at least one recess for receiving in each case at least one eccentric retaining bolt for interferingly mounting through a corresponding aligned recess in the at least one knife.

Claim 3 (Currently Amended): The cutter head disk of claim 1, wherein the at least one knife includes a base having an outer edge and an outward facing surface through which the at least one knife recess is located, and a portion projecting radially away from the base and including an arcuate cutting edge, and the at least one knife is arranged in at least two different positions on the cutter head disk by means of the eccentric retaining bolt that penetrates into the base of the at least one knife.

Claim 4 (Currently Amended): The cutter head disk of claim 1, further comprising magnets embedded in the plastic envelope with which the at least one knife is fixed on the cutter head disk.

Claim 5 (Previously Presented): The cutter head disk of claim 1, further comprising at least one sealing edge.

Claim 6 (Previously Presented): The cutter head disk of claim 5, wherein the at least one sealing edge is a raised circular ring or section.

Claim 7 (Previously Presented): The cutter head disk of claim 1, further comprising a plurality of recesses.

Claim 8 (Previously Presented) The cutter head disk of claim 7, further comprising a plurality of weights that are fitted into the plurality of recesses.

Claim 9 (Previously Presented): The cutter head disk of claim 1, further comprising a plurality of shoulders a height of which is the same as or smaller than a thickness of a base of the at least one knife and a distance between which corresponds to a width of the base of the at least one knife.

Claim 10 (Withdrawn): A knife, characterized in that the ratio of clamping radius B to knife radius A is 0.3 – 0.4, preferably 0.37 – 0.38.

Claim 11 (Withdrawn): The knife, in particular as claimed in claim 10, characterized in that the ratio of knife radius A to receiving width C is 1.4 – 2.0, preferably 1.6 – 1.7.

Claim 12 (Currently Amended): A system comprising a cutter head disk having a metallic core for accommodating a drive shaft; [[, and]] two knives that cut meat which in each case have two holes[[,]]; wherein the metallic core is surrounded with a plastic envelope so that the metallic core is connected in a frictional manner, an interlocking manner, or a combination of both with the plastic envelope; and eccentric retaining bolts that connect two knives to the cutter head disk [[are]] by the bases being introduced into the holes and fastening within recesses of the cutter head, wherein the eccentric retaining bolts each include a base and an enlarged head that is arranged eccentrically on the bolt base so that a bottom surface of the enlarged head engages the knife.

Claim 13 (Currently Amended): A system comprising a cutter head disk having a metallic core for accommodating a drive shaft[[,]]; a knife[[,]] that cuts meat and includes two holes; and a filling plate; which in each case has two holes wherein the metallic core (i) includes recesses

that are laterally elongated in the outer plane of the core, and (ii) is surrounded with and connected to a plastic envelope so that the metallic core is connected in a frictional manner, an interlocking manner, or a combination of both with the plastic envelope; and at least one eccentric retaining bolts are introduced into the holes that includes a base and an enlarged head that is arranged eccentrically on the base so that a bottom surface of the enlarged head engages an outer surface of the knife.

Claim 14 (Previously Presented): The system of claim 13, wherein the filling plate has recesses.

Claim 15 (Previously Presented): The system of claim 12, wherein the two knives, the filling plates, or both are reversibly fastened to the cutter head disk with magnets.

Claim 16 (Previously Presented): The system of claim 12, wherein a ratio of a clamping radius B to a knife radius A is 0.3 – 0.4.

Claim 17 (Previously Presented): The system of Claim 12, a ratio of a knife radius A to a receiving width C is 1.4 – 2.0.

Claim 18 (Previously Presented): A system comprising at least one cutter head disk on which at least one knife is mounted, the at least one cutter head disk being arranged on a drive shaft, wherein the cutter head includes a metallic core for accommodating the drive shaft, the metallic core being surrounded with a plastic envelope so that the metallic core is connected in a frictional manner, an interlocking manner, or a combination of both with the plastic envelope and wherein the cutter head further includes a plurality of shoulders, a height of which is the same as or smaller than a thickness of a base of the at least one knife and a distance between which corresponds to a width of the base of the at least one knife.

Claim 19 (Previously Presented): The system of claim 18, wherein a dynamic unbalance of the at least one cutter head disk is compensated for in a plane of the at least one knife.

Claim 20 (Previously Presented): The system of claim 18, wherein the at least one cutter head disk is or is not balanced.

Claim 21 (Previously Presented): The system of claim 18, the at least one knife includes a plurality of knives that are all of equal length.

Claim 22 (Previously Presented): The system of claim 18, wherein the at least one cutter head disk is closed to the outside and is smooth apart from the protruding at least one knife.

Claim 23 (Withdrawn): A method for installation of a cutter head as claimed in claim 18, characterized in that the cutter head disk (1) is fastened to the shaft and the knives (8) and/or a knife (8) and a filling plate (9) are then mounted on the cutter head disk (1).

Claim 24 (Withdrawn): The method as claimed in claim 23, characterized in that the cutter head is fixed on the shaft.

Claim 25 (Withdrawn): A method for installation of a cutter head as claimed in claim 18, characterized in that the cutter head disks (1) and the knives (8) and filling plates (9, 10) are preassembled on a sleeve which is then mounted on the cutter head shaft.

Claim 26 (Withdrawn): The method as claimed in claim 23, characterized in that every knife can be combined with every cutter head disk.

Claim 27 (New): The system of claim 1 wherein at least one eccentric retaining bolt includes a base and an enlarged head that is arranged eccentrically on the bolt base so that a bottom surface of the enlarged head engages the outer surface of the knife.